

Title (en)  
PERMANENT MAGNET MOTOR

Title (de)  
DAUERMAGNETMOTOR

Title (fr)  
MOTEUR À AIMANT PERMANENT

Publication  
**EP 2997643 A4 20161228 (EN)**

Application  
**EP 13884886 A 20131122**

Priority  
• CN 201310175366 A 20130513  
• CN 2013087708 W 20131122

Abstract (en)  
[origin: WO2014183408A1] A permanent magnet motor (100) is provided. The permanent magnet motor (100) includes a stator (10) having a central hole (20), a rotor (30) disposed in the central hole (20), the stator core (1) includes a plurality of winding grooves (12) and a plurality of winding teeth (13) each disposed between adjacent winding grooves (12), each of the winding teeth (13) includes a pole shoe (14) disposed at an inner end thereof, and the pole shoe (14) has an inner end surface facing the rotor (30) and including a circular arc segment (1411) in a middle of the inner end surface, the central hole (20) has a center (O), the radian of the circular arc segment (1411) is greater than that of the central hole (20), and the circle center (Q) of the circular arc segment (1411) does not coincide with the center (O) of the central hole (20).

IPC 8 full level  
**H02K 1/14** (2006.01); **H02K 1/27** (2006.01); **H02K 21/16** (2006.01); **H02K 29/03** (2006.01)

CPC (source: EP US)  
**H02K 1/02** (2013.01 - US); **H02K 1/146** (2013.01 - EP US); **H02K 1/2766** (2013.01 - EP US); **H02K 21/16** (2013.01 - EP US); **H02K 29/03** (2013.01 - EP US); **H02K 2213/03** (2013.01 - EP US)

Citation (search report)  
• [XYI] JP 2013027240 A 20130204 - DAIKIN IND LTD  
• [X] JP 2002165391 A 20020607 - NISSAN MOTOR  
• [Y] US 2002171309 A1 20021121 - WAKUI SHINICHI [JP], et al  
• See references of WO 2014183408A1

Designated contracting state (EPC)  
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**WO 2014183408 A1 20141120**; CN 103259351 A 20130821; EP 2997643 A1 20160323; EP 2997643 A4 20161228; US 2016056672 A1 20160225

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